

$\frac{2}{3}$

FULL-LENGTH

$\frac{2}{4}$

Mississippi

$7 \times 8 =$

$0,25$



Aligned to State Standards

MAAP

7×8

MATH

$56 \div 7$

Grade

5

$(a+b)^2$

PRACTICE TESTS

Complete State Standards Review
with Answer Key and
Essential Math Skills Practice



3 Full-Length Practice Tests
Aligned to State Standards



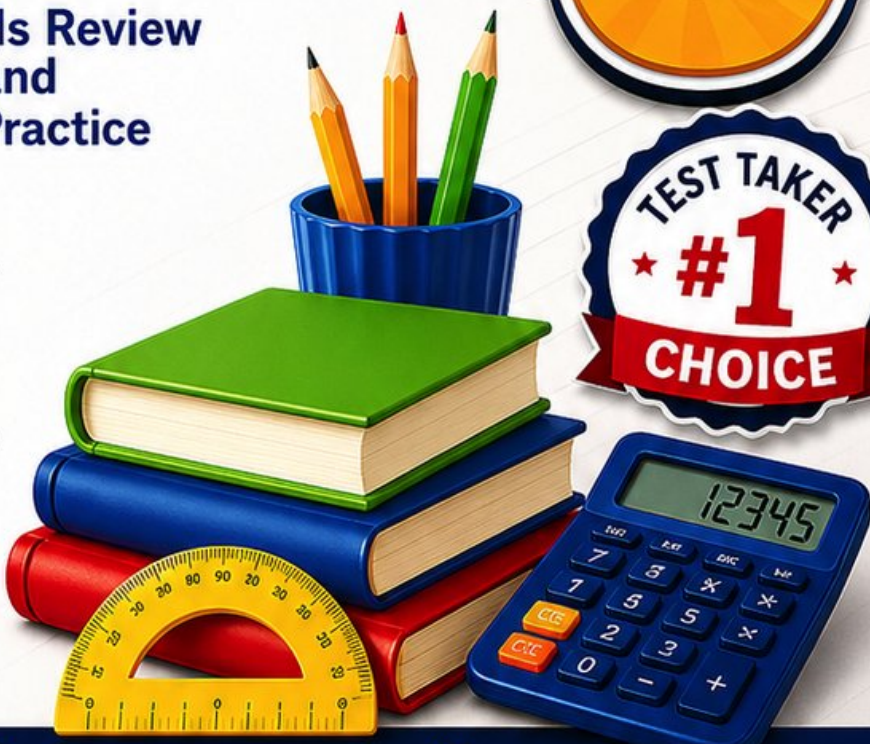
Covers All Grade 5 Math Topics
Numbers & Operations, Fractions,
Decimals, Geometry, Measurement,
Data & Problem Solving



Build Confidence
Strengthen Skills • Improve Accuracy
• Boost Test Readiness



Detailed Answer Key
Step-by-Step Explanations
for All Questions



WRITTEN FOR
GRADE 5 STUDENTS



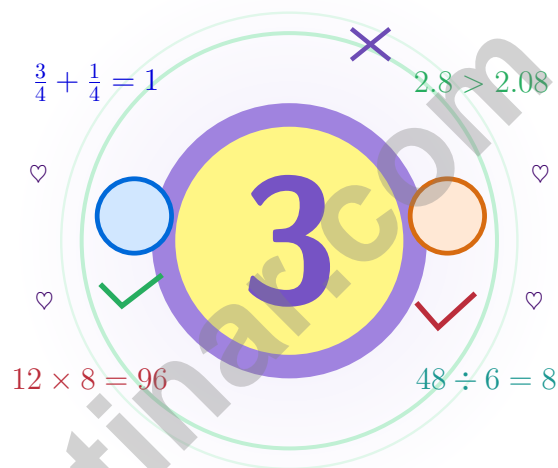
PERFECT FOR
TEST PREP & REVIEW



CLASSROOM, HOME,
OR SELF-STUDY USE

3 Mississippi MAAP Grade 5 Math Practice Tests

Magnolia-calm math for steady young thinkers



Three full tests, a friendly quick review, smart strategy pages, and student-tested support that help Grade 5 mathematicians from The Magnolia State walk in ready to think.

Jay Daie and Reza Nazari



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Welcome, Mississippi Math Explorer

Magnolia-calm math for steady young thinkers

A Note to Grade 5 Mathematicians of Mississippi

Strong math grows like a magnolia: slowly, gracefully, with blossoms that show up after lots of patient root work.

Some questions will feel easy from the very first read. Others will ask you to pause, sketch, estimate, or try again. That is not a problem. That is practice doing exactly what it should do. Every honest attempt grows your math brain a little stronger.

Read

Read every word twice
and underline what is
being asked.

Solve

Choose the cleanest
method and show your
steps.

Reflect

Look back to find what
worked and what to fix.

A Mississippi promise to yourself: I will let my thinking bloom slowly, the way a magnolia opens after a long warm season.

How to Use This Book

A simple game plan that turns practice into real progress

Step 1: Warm Up

Start with the quick review pages.
Wake up the big Grade 5 ideas before the test starts so your brain is already warmed up.

Step 2: Run

Take one full test in a calm, quiet place.
Find a calm corner, settle in, and aim for careful, honest choices before quick ones.

Step 3: Review

Score your work and circle missed questions.
Circle missed questions, sort out what went sideways, and notice which skills are calling for more attention.

Step 4: Repeat

Rework the missed questions before the next test.
Read the explanation, fix the work, and carry that lesson forward into the next test.

A Strong 3-Week Mississippi Routine

Week 1	Open with Test 1 and treat it like a snapshot, not a final grade.
Week 2	Use Test 2 to attack the skills that surprised you in Test 1.
Week 3	Bring Test 3 home with calm pacing and careful checking.



Scan me

Test Overview

What these practice tests help Grade 5 students build

These three practice tests prepare Grade 5 students in the Magnolia State for the Mississippi MAAP with the gentle focus of a porch-shade afternoon. The goal is bigger than getting answers right. Students are practicing how to read with care, choose a strategy, solve step by step, and explain their reasoning clearly – the same way mathematicians do every single day.

Selected-Response Questions

Students solve the problem and choose the best answer. Estimating first, ruling out weak choices, and checking for reasonableness can save both time and points.

Constructed-Response Questions

Students show their steps, explain a method, or back up an answer with clear math. Clean reasoning matters because it shows how the answer was actually found.

Grade 5 Ideas That Show Up Again and Again

- place value, comparing numbers, and rounding
- multi-digit addition, subtraction, multiplication, and division
- fractions, mixed numbers, and decimals
- perimeter, area, volume, and measurement conversions
- line plots, tables, numerical patterns, and coordinate points
- geometry and multi-step real-world problems

What strong work looks like on the MAAP: the math is correct, the steps are readable, the labels and units match the problem, and the final answer truly answers the question being asked.



Table of Contents

★ Practice Test 1	_____	19
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Practice Test Answer Keys	_____	63
Practice Test Answers and Explanations	_____	66

Grade 5 Mathematics Reference Materials

PERIMETER AND AREA

Perimeter of Rectangle $P = 2l + 2w$ or $P = 2(l + w)$

Area of Rectangle $A = l \times w$

Area of Triangle $A = \frac{1}{2} \times b \times h$

Volume of Rectangular Prism $V = l \times w \times h$

LENGTH

Customary

1 foot (ft) = 12 inches (in.)

1 yard (yd) = 3 feet (ft)

1 yard (yd) = 36 inches (in.)

Metric

1 meter (m) = 100 centimeters (cm)

1 centimeter (cm) = 10 millimeters (mm)

1 kilometer (km) = 1,000 meters (m)

CAPACITY

Customary

1 cup (c) = 8 fluid ounces (fl oz)

1 pint (pt) = 2 cups (c)

1 quart (qt) = 2 pints (pt)

1 gallon (gal) = 4 quarts (qt)

Metric

1 liter (L) = 1,000 milliliters (mL)

WEIGHT AND MASS

Customary

1 pound (lb) = 16 ounces (oz)

Metric

1 kilogram (kg) = 1,000 grams (g)

1 gram (g) = 1,000 milligrams (mg)

TIME

1 minute (min) = 60 seconds (sec) 1 week = 7 days

1 hour (hr) = 60 minutes (min) 1 year = 12 months

1 day = 24 hours (hr) 1 year = 52 weeks



5) A shop sold items for \$7.45, \$2.68, and \$3.82. What was the total revenue?

A. \$13.85

C. \$14.05

B. \$13.95

D. \$14.95

6) Pattern Input: 2, 3, 4, 5. Pattern Output: 5, 7, 9, 11. If the input is 8, what should the output be?

A. 13

C. 17

B. 15

D. 19

7) Four athletes' sprint times (in seconds) are shown. Who ran the fastest (shortest time)?

Athlete	Time (seconds)
Alex	12.45
Jordan	12.54
Casey	12.35
Morgan	12.40

A. Alex

C. Casey

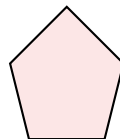
B. Jordan

D. Morgan

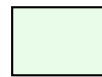
8) Which polygon is regular?



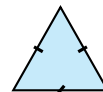
A



B



C



D

A. A

C. C

B. B

D. D



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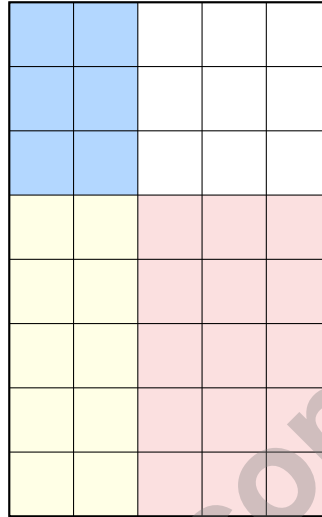
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1 hour (hr) = 60 minutes (min) 1 year = 12 months

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- 1) A paint can is $\frac{5}{8}$ full. You use $\frac{2}{5}$ of the paint in the can. What fraction of a full can did you use?



- A. $\frac{3}{13}$ C. $\frac{2}{5}$
 B. $\frac{1}{5}$ D. $\frac{10}{40}$ or $\frac{1}{4}$
- 2) Find: 6×10^4 .

Record your answer in the space provided.

- 3) Add: $\frac{2}{7} + \frac{3}{4}$

- A. $\frac{5}{11}$ C. $\frac{5}{28}$
 B. $\frac{29}{28}$ D. $\frac{8}{28}$



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1) Subtract: $4\frac{1}{6} - 2\frac{5}{6}$.

A. $2\frac{4}{6}$

B. $1\frac{1}{6}$

C. $2\frac{2}{6}$

D. $1\frac{2}{6}$

2) A restaurant received 3,000 napkins. They will distribute them equally to 10 tables. How many napkins does each table get?

A. 0.3

B. 30

C. 300

D. 30,000

3) A clothing store has $\frac{4}{8}$ of its inventory on sale. What is this fraction in simplest form?

A. $\frac{1}{8}$

B. $\frac{2}{8}$

C. $\frac{1}{2}$

D. $\frac{3}{8}$

4) What is 7×10^2 ?

A. 49

B. 70

C. 700

D. 7000



Practice Test Answer Keys

How to use this section:

1. check your answer
2. circle missed questions
3. rework them before reading the explanation

Good correction habits build strong scores.

Testinar.com



Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- Choice B is correct.** **(5.NBT.3a)** The tenths place is the first position after the decimal point. In 3.915, the tenths digit is 9.
- Choice C is correct.** **(5.OA.1)** The diagram separates the multiplication and division nicely: $8 \times 5 = 40$ and $12 \div 3 = 4$. Then $40 - 4 + 7 = 43$.
- Choice C is correct.** **(5.NF.7c)** Use total amount divided by the size of one piece. The equation is $11 \div \frac{1}{2} = n$.
- The correct answer is 18.** **(5.NF.2)** Multiples of 6: 6, 12, 18, ... Multiples of 9: 9, 18, ... LCD is 18.
- Choice B is correct.** **(5.NBT.7)** Add: $\$7.45 + \$2.68 = \$10.13$; then $\$10.13 + \$3.82 = \$13.95$.
- Choice C is correct.** **(5.OA.3)** The rule is Output = $2 \times$ Input + 1: when Input = 2, Output = 5; when Input = 8, Output = $2(8) + 1 = 17$.
- Choice C is correct.** **(5.NBT.3b)** The fastest time is the smallest: $12.35 < 12.40 < 12.45 < 12.54$. Casey's time of 12.35 seconds is fastest.
- Choice D is correct.** **(5.G.3)** The matching tick marks show that triangle D has 3 equal sides. An equilateral triangle also has 3 equal angles, making it a regular polygon.
- The correct answer is 6.78.** **(5.NBT.7)** Subtracting with borrowing: $15.05 - 8.27 = 6.78$.
- Choice C is correct.** **(5.MD.5)** Choose the operation from the story, then keep the unit with the answer. Divide: $480 \div 30 = 16$ shelves. This confirms the answer.
- Choice A is correct.** **(5.NF.4)** $\frac{1}{3} \times 24 = \frac{24}{3} = 8$ students play soccer.
- Choice A is correct.** **(5.NF.7c)** Each full cup makes 5 one-fifth-cup sauce cups. $9 \div \frac{1}{5} = 9 \times 5 = 45$ small cups.
- Choice B is correct.** **(5.MD.3b)** $2 \times 4 \times 3 = 24$ cubic units. Choice A: $2 \times 3 \times 3 = 18$. Choice C: $2 \times 2 \times 5 = 20$. Choice D: $3 \times 3 \times 2 = 18$.
- Choice C is correct.** **(5.NF.2)** $\frac{1}{6} = \frac{2}{12}$. Then $\frac{5}{12} + \frac{2}{12} = \frac{7}{12}$ of the project is complete.
- Choice B is correct.** **(5.G.B)** The hierarchy flows one way: Rectangle \rightarrow Parallelogram. Not all parallelograms are rectangles (e.g., a tilted parallelogram without right angles).
- Choice A is correct.** **(5.NF.7c)** One sector is $\frac{1}{5}$. Divided by 2: $\frac{1}{5} \div 2 = \frac{1}{10}$.
- Choice B is correct.** **(5.G.2)** The missing value is the output when $x = 10$. Half of 10 is $10 \div 2 = 5$, so the missing y is 5.
- Choice B is correct.** **(5.MD.5c)** Find each part first: Prism A is $9 \times 4 \times 3 = 108$ cubic inches, and Prism B is $6 \times 4 \times 5 = 120$ cubic inches. Because the parts do not overlap, add them: $108 + 120 = 228$ cubic inches.
- Choices A, B are correct.** **(5.NF.4b)** In an area model, multiply the side lengths to find the shaded overlap. Choice C miscounts the equal parts, and D confuses addition with area.
- Choice D is correct.** **(5.NF.5a)** $16 \times \frac{3}{2} = 24$ ounces. Since $\frac{3}{2}$ is greater than 1, the scaled amount is greater than the original amount.
- Choice D is correct.** **(5.MD.5)** Use the rectangular-prism volume formula: $8 \times 5 \times 6 = 240$. So the volume is 240 cubic inches.
- The correct answer is $\frac{1}{16}$.** **(5.NF.7c)** Half of one eighth is one sixteenth, so each piece is $\frac{1}{16}$ of the whole.
- Choice B is correct.** **(5.OA.2)** "The sum of 12 and 8" means group $12 + 8$. "Half of" that sum means divide the grouped total by 2.
- Choice C is correct.** **(5.MD.4)** The prism is only 1 unit tall, so it has one layer. The layer has $7 \times 2 = 14$ unit cubes.
- Choice D is correct.** **(5.NF.1)** Borrow 1 from 3: $2\frac{11}{9} - 1\frac{7}{9} = 1\frac{4}{9}$.
- Choice B is correct.** **(5.MD.5a)** The base area is $10 \times 8 = 80$ square inches. Since $800 \div 80 = 10$, the height is 10 inches.
- The correct answer is 1000.** **(5.NBT.2)** 10^3 is a 1 followed by 3 zeros: 1,000.
- Choice B is correct.** **(5.NF.5b)** $\frac{5}{6} \times \frac{2}{5} = \frac{10}{30}$, which simplifies to $\frac{1}{3}$.
- Choice D is correct.** **(5.NF.5b)** $4\frac{1}{2} = \frac{9}{2}$ and $2\frac{1}{3} = \frac{7}{3}$. Multiply: $\frac{9}{2} \times \frac{7}{3} = \frac{63}{6} = 10\frac{1}{2}$ square meters.



Star Player Pep Talk

To My Star Math Player,

◇ 3 practice tests. Every one of them was a chance to grow, and every one of them you took. That's why your math game is at a new level today. ◇

★ **Star players know:** confidence comes from preparation. You can't fake confidence. You build it. You built yours through these 3 tests. So when test day shows up, your confidence will be real, because your work was real. ★

Star Player Stats

- **Practice Hours:** OFF THE CHARTS!
- **Skill Range:** BROAD! You can handle different problem types.
- **Mental Toughness:** HIGH! You don't quit on hard problems.
- **Game-Day Plan:** READY! You know your strategies.

Star tip: the best players don't try to be perfect on every play. They focus on the next play. Do that on the test. One problem at a time. One small win at a time. You add them up to a great score.

If you'd like to share your experience or have questions, please email me at reza@testinar.com. I'd love to hear from you!

Reza Nazari & Jay Daie

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Help your child succeed with confidence! This book includes **3 full-length Grade 5 Math practice tests** aligned to state standards. With a focus on essential skills, problem solving, and test readiness, it's the perfect resource for classroom, home, or on-the-go practice.



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Realistic test format to build familiarity and confidence.



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Fractions, decimals, geometry, measurement, data, number operations, and more.



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Strengthen understanding and problem-solving through varied question types.



Detailed Answer Key

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Use score trackers to identify strengths and focus on areas that need more practice.



The Smarter Way to Prepare!

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- ✓ Reinforce classroom learning
- ✓ Improve accuracy and speed
- ✓ Reduce test anxiety
- ✓ Achieve your best score!



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